

Minerva Mass Sets

MNR 702 - MSxxx

*MASS SETS FOR WIKA CPB6000/DESGRANGES & HUOT TYPE 5000
AND FLUKE PG7000 PISTON GAUGES*

A complete mass set includes main masses of 10 kg or 5 kg each, fractionary masses in 5-2-2-1 progression from 0.5 kg to 0.1 kg and a trim mass set with masses from 50 g to 0.01 g.

- Reduced investment
- Plug & play solution
- Provided with calibration certificate



The mass set composition is such, that any desired mass value within the mass set range can be loaded within 0.01 g.

All main masses are machined from solid, non-magnetic stainless steel and adjusted to their nominal values in the mass without cavities or trimming hardware which can reduce mass stability over time.

GENERAL SPECIFICATIONS

General specifications

Masses (All masses are delivered in molded, reusable transit cases with custom inserts)		
Masses > 50 g	Material	304L non-magnetic stainless steel
	Adjustment tolerance	± 20 ppm of nominal value
	Accuracy of measured values	± 5 ppm or 1 mg, whichever is greater
	Traceability of measured values	The masses are delivered with an ISO/IEC 17025 certificate which assures traceability to (inter)national standards
Masses < 50 g	Conform to OIML class F1	

Mass set compatibility

Designator	Nominal total mass	D&H 5200 + 5300	Wika CPB6000	PG7102	PG7302	PG7601
MS-702-35	35 kg	-	-	-	-	•
MS-702-35	35 kg	-	-	•	•	-
MS-702-40	40 kg	•	•	•	•	-
MS-702-45	45 kg	-	-	•	•	-
MS-702-55	55 kg	-	-	•	•	-
MS-702-80	80 kg	•	•	-	•	-
MS-702-100	100 kg	-	•	-	•	-



Mass set definitions and ordering details

Ordering Code	Nominal total mass	Mass set composition								Trim set 50 g to 0.1 g	Make up mass ¹	Total mass incl. piston + carrier
		10 kg	5 kg	2 kg	1 kg	0.5 kg	0.2 kg	0.1 kg				
MS-702-35	35 kg	-	5	2	1	1	2	1	1	1 [4,5 kg]	36 kg	
MS-702-35	35 kg	-	5	2	1	1	2	1	1	1 [4 kg]	36 kg	
MS-702-40	40 kg	2	1	2	1	1	2	1	1	1 [4 kg]	41 kg	
MS-702-45	45 kg	2	2	2	1	1	2	1	1	1 [4 kg]	46 kg	
MS-702-55	55 kg	3	2	2	1	1	2	1	1	1 [4 kg]	56 kg	
MS-702-80	80 kg	6	1	2	1	1	2	1	1	1 [4 kg]	81 kg	
MS-702-100	100 kg	8	1	2	1	1	2	1	1	1 [4 kg]	101 kg	

Note: The piston and the mass loading bell are not included in the mass set. Piston-cylinders are ordered separately and the mass loading bell is delivered with the PG7000 platform. ¹ The make up mass is the first main mass loaded on the piston and bell to reach an even increment of 5 kg or 10 kg.

² PC-7100/7600-10, TC with a tungsten carbide piston has a piston mass of 0.5 kg.

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